

## Nabaltec APYRAL® 16 Al(OH)3

Category : Ceramic , Oxide , Aluminum Oxide , Other Engineering Material , Additive/Filler for Polymer

### Material Notes:

APYRAL ® from Nabaltec is an environmentally friendly halogen free product which is used as a flame retardant filler in a wide variety of rubber and polymeric materials. During thermal decomposition APYRAL ® does not generate toxic or corrosive gases. In addition, there is a distinct reduction in smoke density. APYRAL ® is effective in the crucial phase of the burning process before the outbreak of a fully developed fire. APYRAL ® can be used as a flame retardant filler in ThermosetsElastomersThermoplasticsCable CompoundsTechnical Rubber CompoundsPressed and cast Plastic PartsThermal Insulation FoamsGlass-fiber reinforced plastics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nabaltec-APYRAL-16-AIOH3.php](http://www.lookpolymers.com/polymer_Nabaltec-APYRAL-16-AIOH3.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.750 g/cc	0.0271 lb/in <sup>3</sup>	
Density	2.40 g/cc	0.0867 lb/in <sup>3</sup>	
Brightness	93 % @Wavelength 457 nm	93 % @Wavelength 457 nm	Whiteness; Elrepho
Oil Absorption	17 %	17 %	ml/100 g
Moisture Absorption at Equilibrium	0.10 %	0.10 %	
Loss On Ignition	34.6 % @Temperature 105 - 1000 °C	34.6 % @Temperature 221 - 1830 °F	
Particle Size	12 µm	12 µm	Median Grain Diameter
Specific Surface Area	1.8 m <sup>2</sup> /g	1.8 m <sup>2</sup> /g	BET

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	2.5 - 3.5	2.5 - 3.5	

Optical Properties	Metric	English	Comments
Refractive Index	1.58	1.58	

Component Elements Properties	Metric	English	Comments
Fe2O3	0.010 %	0.010 %	
Na2O	0.20 %	0.20 %	
SiO2	0.010 %	0.010 %	

Component Elements Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Electrical Resistivity	20000 ohm-cm	20000 ohm-cm	

Descriptive Properties	Value	Comments
Al(OH) <sub>3</sub> wt %	99.7	
Crystal Structure	Gibbsite	
Sieve Analysis (%)	3	> 45 μm

## Contact Songhan Plastic Technology Co.,Ltd.

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